

IN THE CLAIMS:

Applicants have requested amendment to claims 1-7, a copy of each of these claims being presented herein. A marked-up version of these claims indicating insertions and deletions is included as an attachment to this amendment.

Contd
1. (Twice Amended) An editing system for encoding a plurality of images or sounds and multiplexing plural encoded data so as to produce recording data which is recorded in a recording medium, said editing system comprising:

a system controller

a single storage unit having a plurality of input ports and at least one output port;

a plurality of encoding devices for encoding inputted images or sounds, and for successively storing encoded data in a recording area of said single storage unit specified by said system controller through said input ports and for outputting the data amount of the encoded data for every predetermined unit to said system controller;

multiplexing unit for reading said encoded data to be multiplexed from said storage means through said output port so as to produce the multiplexed data, and for storing the multiplexed data in a predetermined recording area of said storage means through one of said input ports as said recording data;

wherein when each said encoding unit receives an encode list from said system controller, each said encoding unit requires address information of a recording unit requires address information of a recording area of a single storage unit to said system controller, and thereby said system controller specifies the recording area for each said encoding unit and sends information of the specified recording area for each of said encoding units.

2. (Twice Amended) The editing system according to claim 1, wherein

said system controller outputs information necessary for encoding processing to each of said plurality of encoding devices, so as to instruct the encoding devices to start the encoding processing.

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3. (Twice Amended) The editing system according to claim 1 wherein said system controller gives each of said plurality of encoding devices the address information of said recording area of said single storage unit for storing the encoded data, when said encoding means devices requests an area where in said single storage unit the encoded data will b stored.

4. (Twice Amended) The editing system according to claim 1, wherein when said system controller receives information that each of said plurality of encoding devices has completed the encoding processing, the system controller gives said multiplexing unit the address information of the recording area of said single storage unit in which said encoded data has been stored and the address information of said recording area of said single storage unit in which said multiplexed data is stored, so as to instruct the multiplexing unit to start the multiplexing processing.

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5. (Amended) The editing system according to claim 1, further comprising a decoder for reading said multiplexed data from said single storage unit through said at least one output port to decode said multiplexed data.

6. (Amended) The editing system according to claim 1, further comprising a recording unit for reading said multiplexed data from said single storage unit through said at least one output port to record said multiplexed data in a predetermined recording medium as said recording data.